ELSEVIER

Fuel Processing Technology 43 (1995) 245–246

FUEL PROCESSING TECHNOLOGY

Contents Vol. 43

Publisher's note v

Review

Nitrogen evolution from coal, peat and wood during gasification: Literature review
J. Leppälahti, T. Koljonen (Finland) 1

Regular papers

Inorganic nitrogen in Australian semi-anthracites; implications for determining organic nitrogen functionality in bituminous coals by X-ray photoelectron spectroscopy
A.N. Buckley, M.D. Kelly, P.F. Nelson and K.W. Riley (North Ryde, NSW, Australia) 47

Characterization of carbon molecular sieves by molecular probe chromatography
O.K. Guha and J. Roy (Bihar, India) 61

Catalytic gasification of Pittsburgh coal char by potassium sulphate and ferrous sulphate mixtures
J.F. Akyurtlu and A. Akyurtlu (Hampton, VA, USA) 71

Selectivity of desulfurization activity of *Desulfovibrio desulfuricans* M6 on different petroleum products
B.H. Kim, H.Y. Kim, T.S. Kim and D.H. Park (Seoul, South Korea) 87

Effects of surface treatment on cation exchange properties of Australian brown coals
K. Murakami, J. Ozaki and Y. Nishiyama (Sendai, Japan) 95

Characterization of the Göynük oil shale-derived asphaltenes and pre-asphaltenes by ^{1}H and ^{13}C nuclear magnetic resonance and by gas chromatography
M. Canel, E. Canel (Ankara, Turkey), A.G. Borrego, C.G. Blanco and M.D. Guillén (Oviedo, Spain) 111

Developments for the precombustion removal of inorganic sulfur from coal
T. Thoms (Antioch, CA, USA) 123

On the constituents of toluene-insoluble solids from hydrocracked Athabasca bitumen products
N.S. Srinivasan (Edmonton, Alta., Canada) 129

Hydrocracking of polycyclic aromatic compounds. 1. Methylnaphthalenes
Y. Miki and Y. Sugimoto (Ibaraki, Japan) 137

Extraction of coals through alkaline degradation at plastic state under ambient pressure conditions
D.K. Sharma and S.K. Singh (New Delhi, India) 147

Hydroliquefaction of Illinois No. 6 coal with petroleum atmospheric residue using oil-soluble molybdenum catalyst
Y. Inukai (Saga-Ken, Japan) 157

Short Communication

Graphitization study of Indian Assam coking coal
M. Kumar and R.C. Gupta (Varanasi, India) 169

News Notes 177

Regular papers
Kinetics and mechanism of thermolysis of 1-phenyl-2-pyridylethanes
V.Yu. Korobkov, E.N. Grigorieva, V.I. Bykov and T.V. Kalechitz (Moscow, Russian Federation) 183
Binderless compaction of hot water formed coal logs for pipeline transport
B. Gunnink, J. Kanunar and F. Chen (Columbia, MO, USA) 191
Liquefaction of Japanese bituminous Akabira coal catalysed by molten salts under D_2 atmosphere
M. Nomura, T. Muratani, Y. Tajima and S. Murata (Osaka, Japan) 213
Coal desulfurization by ferric chloride
S.B. Jagtap and T.D. Wheelock (Ames, IA, USA) 227

Author Index Vol. 43 243
Contents Vol. 43 245